

# Profiles of Speakers

## Sun W. Chun

Chairman  
APEC Experts' Group on Clean Fossil Energy  
US Department of Energy  
Washington  
U.S.A.

Sun W. Chun joined the Washington, D.C. office of the Department of Energy as the Senior Executive Advisor to the Assistant Secretary for Fossil Energy in December 1996. As such, he has the responsibility for a wide range of duties including advancing the deployment of US-developed fossil energy technologies to domestic and international markets. Dr Chun will develop a joint strategy with US industry and other government agencies to capitalize on the US investment in clean coal technologies.

Dr Chun served as the Director of the US Department of Energy's Pittsburgh Energy Technology Center (PETC) from 1970 to 1996. He directed the Department's research and development efforts in coal programs including: Coal Preparation, Alternative Fuels, Advanced Combustion, Flue Gas Cleanup, Coal Liquefaction, Magnetohydrodynamics and other advanced technologies. He also oversaw the Center's role in the Synthetic Fuels Program and Clean Coal Technology Program, and implemented joint research programs with the Department of Defense. During his tenure as the Director, he initiated minority programs for Historically Black Colleges and Universities and many international cooperative programs.

Dr Chun has also served as PETC's Deputy Director and Director of its Process Sciences Division. Before joining the Center in 1975, he held management positions with the Gulf Research and Development Company, managing research in coal and hydrocarbon process technology.

Dr Chun's management training includes completion of Gulf's five-year executive training program, the Department's two-year Executive Development Program, the Federal Executive Institute, the Systems Management College of the US Armed Forces, and the Harvard University National Security Program.

He is a member of the American Institute of Chemical Engineers, the American Chemical Society, the American Management Association, the American Association for the Advancement of Science, Sigma Xi, and the Pittsburgh Federal Executive Board.

Honors received by Dr Chun include:

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|------------|---|
| 1981       | The Benjamin G. Lamme Award for outstanding service from the Ohio State University, the highest honor from the College of Engineering.  |
| 1983       | Diamond Jubilee Award for Outstanding Service from the American Institute of Chemical in celebration for its 75th anniversary.  |
| 1987       | Whitehouse Recognition for creating the first Energy Program for Historically Black College Universities.   |
| 1988       | Leadership Award from the Pittsburgh Coal Conference.   |
| 1991       | Presidential Meritorious Executive Rank Award from President George Bush in recognition of his accomplishments.   |
| 1992       | Award for Innovation in Coal Conversion from the Pittsburgh Coal Conference   |
| 1994       | "Coal Man of the Year" award from the Washington Coal Club  |
| April 1996 | Received one of the highest national honors given by the government of Republic of Korea, the Moran-Jang medal, in recognition of the instrumental role he has played in developing the cooperation between United States and Republic of Korea in energy and environmentally related technologies. |
| 1996       | Presidential Meritorious Executive Rank Award from President Bill Clinton in recognition of his accomplishments.  |
| 1997       | Gold Medal from Secretary Hazel R. O'Leary.<br>Pittsburgh Federal Executive Board changed the name of the "Outstanding  |

1997	<p>Asian-American Students Award” to the “Dr Sun W. Chun Award” for his contribution in creating such a program in the Greater Pittsburgh is.</p> <p>Elected to the Chairman’s position of the Clean Fossil Energy Expert Group for Asia Pacific Economic Cooperation.</p> <p>Appointed to position as Consultant Professor at Zhejiang University at Hangzhou in the People’s Republic of China.</p>
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Dr Chun also has many patents and numerous publications in petroleum refining and coal technology to his credit. He has served as the Chairman of the Combined Federal Campaign for the Greater Pittsburgh is, and developed the Outstanding Asian Students Recognition Program.

Dr Chun received his B.Ch.E, M.S., and Ph.D. degrees in Chemical Engineering from the Ohio State University. He and his wife, InMook, have two children, Felicia and Edward.

## Piyasvasti Amranand

Secretary-General  
National Energy Policy Office (NEPO)  
Thailand

### Education

1975	B.A. (First Class Honors) in Mathematics, Brasenose College, Oxford, U.K.
1977	M.Sc. (Distinction) in Econometrics and Mathematical Economics,
1978	London School of Economics (L.S.E.), U.K.
1979	D., Economics, L.S.E., U.K.

### Professional Experience

- Deputy Secretary General, National Energy Policy Council (from 15 December 1992)
- Secretary General, National Energy Policy Council from 29 March 1994 (term expired 27 May, 2000)
- Inspector-General, Office of the Prime Minister, 2000
- Secretary-General, National Energy Policy Council (from 30 April 2001)

Before joining the National Energy Policy Office, he worked on macroeconomic policy as Chief of Planning Technique Section and Director of Economic Analysis and Projection Division, National Economic and Social Development Board. During the period 1986-February 1992 he was also responsible for the work of the National Energy Policy Office, which served as the secretariat of the National Energy Policy Council

# Kenji Kobayashi

Director  
International Affairs Division  
Agency of Natural Resources and Energy (ANRE)  
Ministry of Economy, Trade and Industry (METI)  
Japan

## Education

1977	Bachelor of Law from The University of Tokyo
1984	Master of Economics from The University of Cambridge

## Professional Experience

1977	Joined Ministry of International Trade and Industry (MITI)
1977 - 1979	Research Division, Agency of Natural Resources and Energy (ANRE), MITI
1982 - 1984	Study at The University of Cambridge
1986 - 1988	Deputy Director, International Affairs Division, ANRE, MITI
1992 - 1994	Director, International Affairs Division, Small and Medium Enterprise Agency, MITI
1994 - 1997	Director, Personal Division, Agency of Industrial Science and Technology, MITI
1997 - 2000	Counselor, International Trade Affairs, Japanese Mission in Geneva
2001 -	Director, International Affairs Division, ANRE, Ministry of Economy, Trade and Industry (METI)

As Director of the International Affairs Division, Agency of Natural Resources and Energy (ANRE), METI, Kenji Kobayashi is responsible for international energy policy issues in Japan. Cooperation with energy-related international and multilateral organizations and bilateral cooperation are his responsibility.

He has experienced a broad area of energy, trade and industrial policy-related assignments since he joined MITI in 1977. From 1977 to 1979, he was in charge of formulating Japan's Long-term Energy Supply/Demand Outlook. From 1986 to 1988, he was in charge of International Energy Affairs and participated in the meetings at IEA.

# Tatsuo Masuda

President  
Asia Pacific Energy Research Centre (APERC)  
The Institute of Energy Economics, Japan (IEEJ)  
Japan

Tatsuo MASUDA is the President of Asia Pacific Energy Research Centre (APERC). He was nominated to that post in July 2001.

Before joining APERC, he worked for the International Energy Agency (IEA) as the Director of the Office of Oil Markets and Emergency Preparedness for five years. He was responsible for two main areas of the IEA. In the area of oil market monitoring he supervised the production of the IEA Monthly Oil Market Report and made presentations at international conferences. Emergency preparedness required constant reviewing of the IEA Members' response capability (e.g. emergency oil stocks) and emergency response exercises are conducted from time to time. He was taking the initiative to share experiences in the area of emergency preparedness with non-IEA countries. His main professional interests were in the interaction between commercial elements and geopolitics in the oil markets.

Before joining the IEA, he had worked for the Ministry of International Trade and Industry (now Ministry of Economy, Trade and Industry) in Japan. His career in METI included oil and energy fields, such as Director of International Petroleum Affairs (1984 – 1986), Head of Energy Policy Headquarters in the Minister's Secretariat (1979 – 1980) and Deputy Director of the General Affairs Division of the Agency of Natural Resources and Energy (1979 – 1980).

He graduated from Keio University (B.A. in Political Science) and Emmanuel College, Cambridge University (B.A. in History). He still enjoys the continuation of his studies on the history of the Roman Empire.

## **Kristine Kuolt**

Deputy Head of Division  
Energy Planning and Preparations  
Office of Oil Markets and Emergency Preparedness  
IEA  
France

Ms. Kuolt has worked in the Emergency Planning and Preparations Division (EPPD) of the IEA as an Oil Analyst/Administrator since August 1990, the start of the Gulf Crisis, and she was recently named Deputy Head of Division. Before working in EPPD, she worked in the Oil and Gas Section of the Energy Statistics Division of the IEA for several years. She holds a Master Degree in International Relations from Boston University. She is American and lives in Paris with her husband and son.

## **Ken Koyama**

Group Manager  
International Trend Analysis Group  
The Second Department of Research  
The Institute of Energy Economics, Japan (IEEJ)  
Japan

### **Education**

1982	B.A. in Economics at Waseda University, Tokyo, Japan
1986	M.A. in Economics at Waseda University, Tokyo, Japan
2001	PhD. At University of Dundee, Dundee, Scotland

## Professional Experience

1986	Economist in the Oil Group, IEEJ
1992	Senior economist in the World Oil & Energy Group, IEEJ
1993	Acting head for the World Oil & Energy Group, IEEJ
1995-1997	PhD student at the Dundee University (sabbatical)
1997	Head of the World Oil & Energy Group, IEEJ
1999	Group manager of the International Trend Analysis Group, IEEJ
2001	Awarded the degree of PhD from the University of Dundee (PhD thesis: Japan's Energy Strategies Towards The Middle East)

## Fields of Study

Energy Security Issues and Geopolitics of Energy  
Global Oil and Energy Market and Policy Development with Emphasis on the Asia-Pacific Region

## References

Koyama, K., "Energy Strategies in China and India and Their Implications", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, July 2001)

Koyama, K., "Recent Energy Price Increases and Volatility", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, June 2001)

Koyama, K. and G. Komori, "Oil and Gas Development in Iran and Implication for Iran", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, May 2001)

Koyama, K. and T. Usami, "Recent Price Spikes and Volatility in the US Energy Market (Part 1: Oil Market)", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, March 2001)

Koyama, K. and T. Usami, "Recent Price Spikes and Volatility in the US Energy Market (Part 2: Natural Gas Market)", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, March 2001)

Koyama, K., "Oil Industry Restructuring and the Majors' Strategies", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, December 2000)

Koyama, K. and K. Tamai, "Oil and Gas Development in Iran and Its Implication for Iran", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, October 2000)

Koyama, K., "The 111<sup>th</sup> OPEC General Meeting and Crude Oil Price Prospects", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, September 2000)

Koyama, K., "Oil Supply Security Policy Initiatives Taken by the Asian APEC Economies", (IEEJ Website Homepage, <http://eneken.ieej.or.jp>, August 2000)

Koyama, K., "Oil Prices After the OPEC Meeting", (The Institute of Energy Economics, Japan, The 361<sup>st</sup> Regular Meeting for Briefing Research Report, April 12 2000)

Koyama, K. and Y. Kawasaki, "Asia's Growing Oil Import Dependence and Its Response Measures:  
An Examination on Japanese Leadership Potential", (The Institute of Energy Economics, Japan, Energy in Japan, November 1999)

Koyama, K., "The Economic Crisis and Asian Oil Market", (The Institute of Energy Economics, Japan, Energy in Japan, March 1999)

Koyama, K., "Oil Companies' Downstream Strategies for Survival: A Study on the European Market and Its Implication for Japan", (The Institute of Energy Economics, Japan, Energy in Japan, September 1998)

Koyama, K., "Oil Supply Security in Asian Economies", (The Institute of Energy Economics, Japan, Energy in Japan, January 1998)

Koyama, K., "Growing Energy Demand in Asian Countries", in "Gulf Energy and the World: Challenges and Threats" (The Emirates Centre for Strategic Studies and Research, Abu Dhabi, 1997)

Koyama, K., "Outlook for Oil Supply and Demand in Asia-Pacific Region and Role To Be Played By Japan's Oil Industry", (The Institute of Energy Economics, Japan, Energy in Japan, March 1995)

Koyama, K., "International Oil Supply/Demand Perspectives and Japan's Subjects in Crude Oil Procurement", (The Institute of Energy Economics, Japan, Energy in Japan, November 1993)

Koyama, K., "Changes in Japan's Crude Oil Procurement and Its Background", (The Institute of Energy Economics, Japan, Energy in Japan, May 1993)

Koyama, K., "Outlook for Oil Supply and Demand in the Pacific Rim and Its Implication for Japan", (The Institute of Energy Economics, Japan, Energy in Japan, March 1993)

Koyama, K., "The Gulf Crisis and the Asian Oil Market", (An Asia Pacific Energy Business Publication, Hydrocarbon Asia, February 1992)

Koyama, K. and S. Mezawa, "The Gulf Crisis and Reevaluation of Japan's refine-in-consuming-area System", (The Institute of Energy Economics, Japan, Energy in Japan, November 1991)

Koyama, K., "Prospects for the Japanese and Pan-Pacific Oil Markets in the 1990s", (The Institute of Energy Economics, Japan, Energy in Japan, March 1991)

Koyama, K., "Prospects on the Petroleum Demand-Supply Balance in the Pan-Pacific Region", (The Institute of Energy Economics, Japan, Energy in Japan, March 1990)

Koyama, K., "Development of World Oil Flow Model and Its Application", (The Institute of Energy Economics, Japan, Energy in Japan, September 1988)

Koyama, K., "Oil Flow in the Pacific Areas and Products Availability for Export to Japan – A Simulation Study Based on the World Oil Flow Model -", (The Institute of Energy Economics, Japan, Energy in Japan, May 1988)

Koyama, K., "Oil Flow in the Pacific Region and the Role of Island Countries", (The Institute of Energy Economics, Japan, Energy in Japan, March 1988)

# Kazuyoshi Takayama

Manager of Shipping Group  
Supply & Manufacturing Department  
Nippon Mitsubishi Oil Corporation  
Japan

## Professional Experience

1980	Joined Nippon Oil Co. Ltd.
1987	Transferred to Japan National Oil Corp.
1989	Responsible for products trading in HQ
1992	General Manager of Nippon Oil Abu Dhabi
1995	Manager of Shipping Sec. at head office
1998	Managing Director of Nippon Oil Asia (Singapore)

# Jeannette Marshall

Assistant Manager  
Refining and Fuels  
Department of Industry, Science and Resources (ISR)  
Australia

Jeannette Marshall currently works in the Refining and Fuels Section of the Australian Department of Industry, Science and Resources (ISR). Her responsibilities include the development of Australia's revised National Fuels Supply Emergency Response Plan and other issues related to Australia's liquid fuels security. Jeannette has previously worked in a number of different areas related to the management of Australia's resource industries including coal, uranium and the environmental regulation of mining activities.

# Wang Yihui

Project Officer  
Department of Basic Industries  
China State Development Planning Commission  
P. R. China

## Education

1988 -1992	Dept. of Coal Mining Engineering, University of China Coal Mining & Technology
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## Profession Experience

1998 - present	Dept. of Basic Industries State Development Planning Commission Take part in making China energy policies, energy plan and Program. Be in charge of the work for EWG of APEC and the bilateral energies' exchange.
1995 - 1998	Dept. of Energy & Communications State Planning Commission Participated in making China coal industry policies, the Fifth Five-year coal plan and some regional coal program, forecasted and analyzed coal demand and supply, approved some large-sized coal projects.
1992 - 1995	The Institute of Beijing Coal Design & Research Designing for some coal mines which covered analysis, calculation and drawing with CAD system.

## Tadahisa Okabe

Director  
Petroleum Reserve  
Natural Resources and Fuel Department  
Agency of Natural Resources and Energy (ANRE)  
Ministry of Economy, Trade and Industry (METI)  
Japan

## Education

1987	Bachelor of Engineering from the University of Tokyo
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## Professional Experience

1987	Joined Ministry of International Trade and Industry (MITI)
1987-1989	Mining Division, Agency of Natural Resources and Energy (ANRE), MITI
1994-1997	Second Secretary, Embassy of Japan in Kuwait
1997-1999	Deputy Director, Statistics Analysis Division, Research and Statistics Department, MITI
1999-2001	Director, General Affairs Division, Chugoku Bureau of International Trade and Industry, MITI
2001	Director for Petroleum Reserve, Natural Resources and Fuel Department, ANRE, Ministry of Economy, Trade and Industry (METI)



## Ick Joong Kim

Manager  
Strategic Information Division  
Information Service Department  
Korea National Oil Corporation  
Republic of Korea

### Education

1982                      B.A., Political Science & Diplomacy, Sogang University, Seoul, Korea

### Professional Experience

2001	Manager, Information Service Dept.
1998	Manager, Petroleum Marketing Dept.
1996	Vice Representative, Liaison Office to Paris
1996	Assistant Manager, Overseas Business Dept.
1991	Stockpiling Dept.

## Jui-hsiang Yao

Division Supervisor  
Energy Commission  
Ministry of Economic Affairs  
Chinese Taipei

Jui-hsiang Yao was born on April 4, 1957 in Taiwan. He has worked with the Energy Commission, for twenty years. He is currently the Supervisor of the Oil and Gas Division in charge of oil and gas related policy, planning and regulation. His previous experience at the Energy Commission includes general policy and Planning, energy economics, gas utility regulation, and international cooperation.

He holds a Bachelor of Science degree in Transportation Engineering and Management from the National Chiao Tung University, Taiwan, an MBA degree from the Tatung Institute of Technology, Taiwan, and an M. S. Degree in Energy Management and Policy from the University of Pennsylvania, U.S.A. He is also a Ph. D. candidate in Energy Management and Policy at the University of Pennsylvania

# Viraphol Jirapraditkul

Director of the Petroleum Division  
National Energy Policy Office (NEPO)  
Office of the Prime Minister  
Thailand

## Education

He obtained a BA in Economics from Thammasat University, Thailand (1977); an MS in Economics from National Institute of Development Administration (NIDA), Thailand (1980); a Diploma in System Technology Engineering (Software) from the Cooperation International of Computer Center (CICC), Japan (1984); and a MEc in Energy Economics from the University of Calgary, Canada (1993).

## Professional Experience

Mr. Jirapraditkul started his career in 1978 as a Planning Officer at the Bank of Asia, Co., Ltd., Head Office in Bangkok. From 1980 - 1986, he worked as a Policy and Plan Analyst with the National Economic and Social Development Board, a government organization under the Office of the Prime Minister. He was responsible for the analysis and projection of the macro economic situation of Thailand, in both short term and long term.

Since 1987, he has joined the National Energy Policy Office. From 1987 - September 1994, he was Chief of the Petroleum Pricing Section, Petroleum Division. Under this position, he was charged with the analysis of oil price situation, oil pricing and taxation as well as the development of Thailand's energy outlook.

From October 1994 – May 2001, he was the Director of the Energy Policy and Planning Division of NEPO, being responsible for the development of the national energy policy and planning, and the national energy development plan. He served as a member of various energy related policy-making bodies at the national level. Also, under this position, he served as Thailand's focal point in the international energy cooperation, including, among others, APEC Energy Working Group and ASEAN energy cooperation.

From June 2001 – present, he is the Director of the Petroleum Division of NEPO. His current responsibilities include recommending policies and measures on oil prices, taxes and transportation tariffs; recommending the management plan for the petroleum business; coordinating with other concerned agencies to solve the problems on oil smuggling; and recommending the policy and plan for petroleum exploration and development.

# Tatsuya Iwahara

Director  
Stock Draw Down Division  
Stockpile Planning Department  
JNOC  
Japan

## Education

1982 Bachelor of Engineering from Saitama University

## Professional Experience

1982	Jointed Japan National Oil Corporation JNOC
1982-1988	Stockpile Management Department, JNOC
1988-1992	Assistant Project Director, First Department and Second Department, JNOC
1992-1994	Director, Japan Underground Oil Storage Company
1994-1998	Assistant Project Director, Stockpile Management Department, JNOC
1998-2001	General Manager, Beijing Representative Office, JNOC
2001-	Director, Stock Draw Down Division, Stockpile Planning Department, JNOC

# Jesus R. Duques Mora

Assistant Director General for Oil Market  
Energy  
Mexico

The Ministry of

## Education

1969-1974	Bachelor's degree in Economics, University of Nuevo Leon, Mexico
1975-1978	Master and PH.D in Economics, Washington University, St. Louis Mo. USA.

## Professional Experience

1978-1980	Macro Economics Annalist at Central Bank BANCO DE MEXICO, MEXICO D. F.
1980-1983	Financial Economics Analyst at Vis Corporate (private firm) Monterrey, Nuevo Leon, Mexico
1983-1992	Director of Economics Analysis Department at BANCO MEXICANO SOMEX (state bank) Mexico D. F.
1992-1997	Director of Economics Analysis Department at INVERMEXICO (private investment bank) MEXICO D. F.

1997-1998	Director of Labor Market Analysis Department Minister Yoflavor MÉXICO, D. F.
1998-present	Assistant Director General for Oil Market Ministry of Energy, MÉXICO, D.F.

## Teaching Experience

1981-1982	Teacher of Microeconomics for Bachelors Degree at the Technology Institute Studies of Monterrey.
1982-1983	Teacher of Microeconomics and Industrial Organization for Bachelors Degrees at the University of Nuevo Leon, Monterrey, Mexico.

## Don Juckett

Director  
Natural Gas and Petroleum Import and Export Activities  
The Office of Fossil Energy  
US DOE  
USA

Don Juckett is the Director, in the Office of Natural Gas and Petroleum Technology of at the United States Department of Energy. His office has responsibility for authorization of the import and export of pipeline and liquefied natural gas in the U.S., which represented approximately 18% of U.S. consumption in 2000. His responsibilities include industry liaison, technology transfer coordination, and coordination of crosscutting technologies for international activities related to natural gas and oil. He has served as the oil and gas technical lead for Departmental missions with China, Mexico, Africa, Ukraine, Russia and Western Hemisphere Energy initiatives. He also participates in APEC oil and gas initiative.

Since joining DOE in 1988, Dr. Juckett has worked on a variety of activities including serving as technical lead for developing an operating agreement for the Elk Hills field in Bakersfield, California, development of natural gas and oil policy, development of budgets and managing the Office of Fossil Energy's natural gas and oil technology program, and developing the support contract for the Bartlesville Project Office, as well as crosscutting activities.

Prior to joining the Department of Energy in 1988, Dr. Juckett was employed by Phillips Petroleum Company. He held numerous positions at Phillips before being named Director for Hydrocarbon Systems and Surface Detection, Exploration and Production. He worked in exploration and production, and in R&D for both domestic and international projects. From 1968 to 1971, he worked as Senior Chemist for the New York State Health Department, Birth Defects Institute, conducting research in amino acid deficiencies and genetic disorders.

Dr. Juckett received an A.A.S. Chemistry from Adirondack Community College and a B.A. in Chemistry from the State University of New York College at Oswego. He was granted a Ph.D. in Organic Chemistry from the State University of New York at Albany.

## **Geoff Stone**

Manager  
International Energy Section, International Energy Branch  
Energy and Environment Division  
Department of Industry Science & Resources (ISR)  
Australia

Mr. Stone has worked in the Energy & Environment Division of the Department of Industry Science and Resources for the past three and a half years and is responsible for coordinating Australia's participation in the International Energy Agency, bilateral relations and export facilitation.

From 1990 to 1998, Mr. Stone worked for the Department of Foreign Affairs and Trade (DFAT), focusing on multilateral and bilateral trade policy. Prior to joining the Department of Industry Science and Resources, he held the position of Assistant Director, APEC Economic and Technical Cooperation Section.

From 1994-1996, Mr. Stone was seconded to the Canadian Department of Foreign Affairs and International Trade in Ottawa, working on Canadian trade and industry policy in the WTO and OECD.

Mr. Stone holds a Bachelor of Commerce degree from the University of Western Australia.

## **Dongliang Chen**

Project Manager  
Department of Enterprise Reform  
State Commission of Economics and Trade  
P. R. China

## **Jose B. R. F. Ignacio**

Assistant Professor for Building Science  
College of Architecture  
University of the Philippines  
Philippines

### **Qualification**

Architect  
Building Science Consultant  
Visual Artist

1994 - 1997	HEFCE (Higher Education Funding Council of England) Fellowship, De Montfort University, Leicester, England
1992 -	CO (Foreign and Commonwealth Office) British Council Chevening Scholar, Chevening Scholar, Sheffield University, England
1991 -	Plaque of Appreciation - "Thermal Comfort Study" - United Architects of the Philippines
1987 -	Featured Artist - Annual Convention of the Philippine IKEBANA Society, Manila

## Education

M. Arch. 1993	Master of Architecture University of Sheffield, U.K.
B.Sc. 1982-1987	Bachelor of Science in Architecture - 1987 Certificate in Building Technology - 1986 Diploma in Architectural Drafting - 1985 University of the Philippines

Areas of expertise: Green Architecture; Energy Efficient Design; Building Simulation i.e. Daylight Analysis in Architecture, Thermal Comfort and Natural Ventilation; 3D Visualization & Computer Graphics; Computer Aided Design; Architecture / Building Science Design

## Professional Experience

2000-Present:

Client: EED (Energy Efficiency Division), Department of Energy, Philippines

Duties: Consultant for Building Science Projects: National Secretary for the Committee on Energy Efficiency and Conservation in Buildings - Best Practices Awards Competition. Consultant for the Don Emilio Abello Awards Sub- Committee on Energy Efficient Buildings.

UAP (United Architects of the Philippines) Green Architecture Committee Member. Duties involve development of programs for professional practice and continuing education for architects.

ASEAN and National representative/proponent for yearly competitions on energy efficient buildings.

1997-Present:

Employer: University of the Philippines, College of Architecture

Duties: Associate Professor, College of Architecture, University of the Philippines. Building Science Laboratory Member for Energy and Architectural Science.

1997-2001:

Client: Worker's Fund, KMPI

Duties: Architectural consultant for low cost housing projects in the Philippines. KMPI is a labor based non-government organization in the Philippines catering to the middle to low-income sector of the country. Duties involve site analysis, housing feasibility, environmental impact analysis, and bioclimatic architecture assessment.

1994-1997:

Employer: Environmental Computer Aided Design and Performance Evaluation Center

- Institute of Energy and Sustainable Development, Leicester, UK

Duties: Research Fellow - duties involved research work on computer simulation for commercial buildings focusing on lighting and energy conservation issues. Consultancy work for architects active in the built environment and research institutions.

1990-1992:

Employer: Institute of Social Order, Philippines

Duties: In-house Architect and plant administrator for the institute. Played an active role in the construction and support services for the operation of the buildings within the ISO - Social Development Complex of the Ateneo de Manila University.

1988-1990:

Employer: PCIERD (Philippine Council for Industry, Energy, Research & Development)

Duties: Junior Research Scientist - part of a multi-disciplinary team of professionals and conducted studies concerning energy conservation systems for buildings within Metro Manila. The group was a team of architects, engineers and consultants connected with the University of the Philippines, Office of Energy Affairs in Manila and the Lawrence Berkley Laboratories of Los Angeles, California. Projects were funded by US-AID and co-sponsored by the Office of Energy Affairs. We presented the work in national conventions and conferences in Manila, 1989-1990.

1987 - 1988:

Employer: Architecture Department, University of the Philippines

Duties: Junior Research Scientist - did studies on natural and artificial lighting / ventilation systems for buildings located in Metro Manila; was responsible for preparing manuals and reports for publication.

1986:

Employer: NMPC (National Media Production Center - Philippines)

Duties: Senior Artist and Production Designer for various television shows aired over the national television station - NMPC. Designed sets and stages for talk shows and theaters.

1984:

Employer: Architect Malou Ventura and Assoc.

Duties:

Student Assistant for Architect Malou Ventura (Former Dean of the Architecture Department of the Far Eastern University). Performed duties as an apprentice to the architect, data-encoder and collated the information for the state of rural health centers in the Philippines.

## References

2000-Paper "Cities, Housing and the Environment: Performance Quality Initiatives for Changing Tropical Climates", Conference Proceedings - International Conference on Sustainable and Humane Cities, Philippines

1998-Paper "Daylighting Design Guidance for Non-Domestic Atrium Buildings", Conference Proceedings TG8- Environmental Assessment Methods International Council for Building Research Studies and Documentation, Singapore

1991-Paper: "Natural Ventilation Design Manual for the Philippines", University of the Philippines

1991-Paper: “Thermal Comfort Study for the Philippines”, Proceedings: Annual Convention of United Architects of the Philippines, Manila

## **Jong-Whan Noh**

General Manager  
Center for Climate Change Mitigation Projects  
The Korea Energy Management Corporation (KEMCO)  
Republic of Korea

### **Education**

1979                      BSc. Chemical Engineering, Seoul National University, Korea

### **Qualification**

Mechanical Engineer  
Member, National Committee on Environmental Labeling System  
Member, National Committee on Climate Change Mitigation in Industrial sector  
Member, Korea Management Association

### **Professional Experience**

Mr. Jong-Whan Noh offers about 20 years’ professional experience of energy and related projects in Korea as well as abroad. Mr. Jong-Whan Noh produces various policy and strategy in industrial and engineering issues, energy resource management, environment systems, and legislative, regulatory, and financial policy formulation. In addition, he provides various programs and policy strategies in the energy conservation in private, industry and governmental sector. He has devised legal framework for energy conservation and ESCO business in Korea. He holds graduate degrees in chemical engineering from the Seoul National University, Korea.

Korean Energy Management Cooperation, 1994 to present

Mr. Jong-Whan Noh is responsible for climate change mitigation issues and energy conservation strategy in KEMCO. He plays an important role in all formulation of national energy conservation policy, of ESCO business, and preparation of legislation and system towards energy conservation society. Mr. Jong-Whan Noh provides energy conservation strategies, schemes and legislative, regulatory, and financial policy in the areas of industrial issues, environmental and energy resource management.

DO IK Industry Co., 1992-1994

Mr. Jong-Whan Noh led the development of combustion gas analyser, which is an energy conservation device. As CEO of DO IK Industry Co., he guided formulation of development plans for other energy saving instruments.



Koshin Heat Management Co. Ltd, 1987-1991

Mr. Jong-Whan Noh was responsible for and heavily involved in the process development, plant layout and commissioning of heating system in the industrial process.

Ministry of Energy and Resource, 1982-1987

As an assistant director, Mr. Jong-Whan Noh was responsible for developing and launching energy conservation and disseminating alternative energy source.

General Manager, Korea Energy Management Cooperation: 1994-Present

1992-1994	CEO, DO-IK Industry Co.
1987-1991	Director, Koshin Heat Management Co. Ltd.
1982-1987	Assistant Manager, Ministry of Energy and Resource